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PATENT
915.409

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the matter of: Mikkonen et al)
Serial No:) Group Art Unit
Filed: Herewith) Examiner:
For: Improved Antenna)

JC821 U.S. PRO
09/993051
11/27/01

U.S. PATENT AND TRADEMARK OFFICE
P.O. BOX 2327
ARLINGTON, VA 22202

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

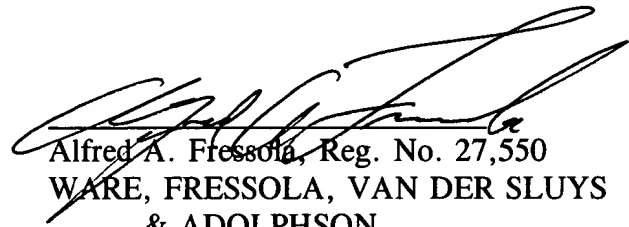
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In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR 1.56(a) exists.

The references are listed in the enclosed British Search Report dated April 20, 2001. A concise explanation of the relevance of each reference is specifically pointed out in the search report. A PTO 1449 listing the cited references is also enclosed.

Respectfully submitted,

Date: 11/27/01



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Application No: GB 0028851.4
Claims searched: All

Examiner: Ruth Atkinson
Date of search: 20 April 2001

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK CI (Ed.S): H1Q QDL, QDN, QKA, QKL

Int CI (Ed.7): H01Q 1/38, 9/04

Other: Online: WPI, EPODOC, PAJ



Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	GB 2322011 A (ICO SERVICES) See whole document	1, 2
X	GB 2303968 A (NOKIA) See especially embodiment of figure 2	1, 2, 3, 4, 7
X	US 5838285 (TAY ET AL) See whole document	1, 2
X	US 5568162 (SAMSEL ET AL) See especially figs 3 and 4	1, 2, 3, 4
X	US 5437091 (NORMAN) See whole document	1, 2, 3, 5, 6
X	US 4445121 (HANCOCK ET AL) See especially figures 1 and 8	1, 2, 3
X	PAJ abstract of JP 3080703	1, 2, 3, 5, 6

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.